



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Zhaowei Liu  
Serial No. : 10/619,588  
Filed : July 16, 2003  
Title : METHOD AND SYSTEM FOR COMPARATIVE GENOMICS FOR CLOSELY  
RELATED ORGANISMS USING TEMPERATURE GRADIENT  
ELECTROPHORESIS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

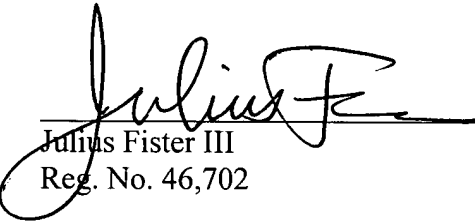
Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.


Respectfully submitted,

Date:

June 6, 2004

  
Julius Fister III  
Reg. No. 46,702

Fish & Richardson P.C.  
1425 K Street, N.W.  
11th Floor  
Washington, DC 20005-3500  
Telephone: (202) 783-5070  
Facsimile: (202) 783-2331

 Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.102(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>16969-036001</b>	Application No. <b>10/619,588</b>
	Applicant <b>Zhaowei Liu</b>		
	Filing Date <b>July 16, 2003</b>	Group Art Unit <b>1743</b>	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,066,377	11/19/1991	Rosenbaum et al.			
	AB	5,068,176	11/26/1991	Vijg et al.			
	AC	5,736,025	04/07/1998	Smith et al.			
	AD	5,795,720	08/18/1998	Henco et al.			
	AE	5,871,908	02/16/1999	Henco et al.			
	AF	5,998,147	12/07/1999	Petit et al.			
	AG	6,036,831	03/14/2000	Bishop			
	AH	6,265,557	07/24/2001	Diamond et al.			
	AI	6,398,933	06/04/2002	Scott			
	AJ	6,475,721	11/05/2002	Kleiber et al.			
	AK	6,486,309	11/26/2002	Gerber et al.			
	AL	6,613,508	09/02/2003	Ness et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AM	WO 91/02815	03/1991	PCT				
	AN	WO 96/08715	03/1996	PCT				
	AO	WO 96/24687	08/1996	PCT				
	AP	WO 01/77386	10/2001	PCT				

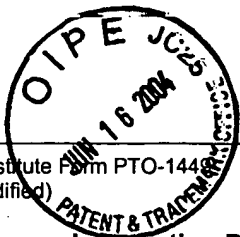
**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	Jens Schell et al., Detection of point mutations by capillary electrophoresis with temporal temperature gradients, © WILEY-VCH Verlag GmbH, Electrophoresis 1999, 20, pp. 2864-2869.
	AR	High-Throughput Detection of Unknown Mutations by Using Multiplexed Capillary Electrophoresis with Polyvinylpyrrolidone Solution, The Ames Laboratory, U.S. Department of Energy by Iowa State University, pp. 1-28.
	AS	Paul Taylor et al., Detection of Mutations and Polymorphisms on the WAVE™ DNA Fragment Analysis System, Transgenomic, Inc., Application Note 101, pp. 30-33.

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 16969-036001	Application No. 10/619,588
	Applicant Zhaowei Liu			
	Filing Date July 16, 2003		Group Art Unit 1743	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Cecilia Gelfi et al., Detection of point mutations by capillary electrophoresis in liquid polymers in temporal thermal gradients, <i>Electrophoresis</i> 1994, 15, pp. 1506-1511.
	AU	K. Khrapko et al., Constant denaturant capillary electrophoresis (CDCE): a high resolution approach to mutational analysis, <i>Nucleic Acids Research</i> , 1994, Vol. 22, No. 3, pp. 364-369.
	AV	David G. Wang et al., Large-Scale Identification, Mapping, and Genotyping of Single-Nucleotide Polymorphisms in the Human Genome, <a href="http://www.sciencemag.org">www.sciencemag.org</a> , <i>SCIENCE</i> , Vol. 280, May 15, 1998, pp. 1077-1082.
	AW	Mark Chee et al., Accessing Genetic Information with High-Density DNA Arrays, <i>Science Magazine</i> , Vol. 274, No. 5287, Issue of October 25, 1996, pp. 610-614.
	AX	David Sidransky, Nucleic Acid-Based Methods for the Detection of Cancer, <i>SCIENCE</i> , Vol. 278, November 7, 1997, <a href="http://www.sciencemag.org">www.sciencemag.org</a> , pp. 1054-1058.
	AY	Joseph Alper, Weighing DNA for Fast Genetic Diagnosis, <i>Science Magazine</i> , Vol. 279, No. 5359, Issue of March 27, 1998, pp. 2044-2045.
	AZ	Detlev Riesner et al., Temperature-gradient gel electrophoresis of nucleic acids: Analysis of conformational transitions, sequence variations, and protein-nucleic acid interactions, <i>Electrophoresis</i> , 1989, 10, pp. 377-389.
	BA	Song-hua Ke et al., Selecting DNA fragments for mutation detection by temperature gradient gel electrophoresis: Application to the p53 gene cDNA, <i>Electrophoresis</i> , 1993, 14, pp. 561-565.
	BB	Richard M. Myers et al., Detection of single base substitutions in total genomic DNA, <i>Nature</i> , Vol. 313, February 7, 1985, pp. 495-498.
	BC	Detlev Riesner et al., Temperature-gradient gel electrophoresis for the detection of polymorphic DNA and for quantitative polymerase chain reaction, <i>Electrophoresis</i> , 1992, 13, pp. 632-636.
	BD	Ezra S. Abrams et al., Comprehensive Detection of Single Base Changes in Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis and a GC Clamp, <i>Genomics</i> 7, 1990, pp. 463-475.
	BE	K. Henco et al., Quantitative PCR: the determination of template copy numbers by temperature gradient gel electrophoresis (TGGE), <i>Nucleic Acids Research</i> , Vol. 18, No. 22, 1990, pp. 6733-6734.
	BF	Qiufeng Gao et al., 25. High-Speed High-Throughput Mutation Detection, <a href="http://www.ornl.gov/sci/techresources/Human_Genome/publicat/00santa/25.html">http://www.ornl.gov/sci/techresources/Human_Genome/publicat/00santa/25.html</a> , Research Abstracts, 2000, DOE Human Genome Program.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	